

Rabbit IKBKB Polyclonal Antibody | anti-ICKBKB antibody

IKBKB antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197261	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

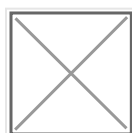
PRODUCT SYNONYMS

IKBKB; Polyclonal Antibody; IKBKB antibody - middle region; anti-ICKBKB antibody

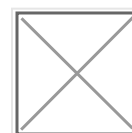
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: IT YETQISPRPQ PESVSCILQE PKRNLAFFQL RKVWGQVWHS IQTLKEDC
Sequence Length	756
Applicable Applications for anti-ICKBKB antibody	WB (Western Blot)
Homology	Cow: 79%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human IKBKB
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-ICKBKB Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:312500
Positive Control: Human brain


WB (Western Blot)

Lanes: Lane 1: 10ug 293T lysate (empty vector)
Lane 2: 10ug IKKalpha-V5 transfected 293T lysate
Lane 3: 10ug IKKbeta-V5 transfected 293T lysate
Primary Antibody Dilution: 1:1000
Secondary Antibody: Anti-rabbit HRP
Secondary Antibody Dilution: 1:2000
Gene Name: IKBKB
Submitted by: Dr. Tencho Tenev, The Breakthrough Breast Cancer Research Centre, Institute of Cancer Research

ADDITIONAL INFORMATION

Related Product Information for anti-IKKBK antibody	<p>This is a rabbit polyclonal antibody against IKKBK. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA or IKKBK) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKKBK) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-203 AL708460.1 9-211 204-3077 AF080158.1 170-3043 3078-3916 AK023193.1 1980-2818</p>
Product Categories/Family for anti-IKKBK antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Chromatin & Nuclear Signaling; Signal Transduction; E3 & Ubiquitin; DNA/RNA/Protein Interactions; Phosphorylation; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	41352712
NCBI GeneID	3551
NCBI Accession #	NP_001547
NCBI GenBank Nucleotide #	NM_001556
UniProt Accession #	O14920
Molecular Weight	86kDa
NCBI Official Full Name	inhibitor of nuclear factor kappa-B kinase subunit beta isoform 1
NCBI Official Synonym Full Names	inhibitor of nuclear factor kappa B kinase subunit beta
NCBI Official Symbol	IKKBK
NCBI Official Synonym Symbols	IKK2; IKKB; IMD15; IMD15A; IMD15B; NFKBIKB; IKK-beta
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit beta
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit beta
UniProt Gene Name	IKKBK
UniProt Synonym Gene Names	IKKB; I-kappa-B-kinase beta; IKK-B; IKK-beta; IkBBK; IKK2; NFKBIKB
UniProt Entry Name	IKKB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.